

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) Optical projection system comprising:
  - an optical element for shaping radiation fields emitted from a light guide,
  - the optical element being formed in a monolithic body having a radiation-field-shaping region and a connecting region for the light guide,
  - the connecting region having a connecting area for accepting a front face of the light guide, said connecting area being adapted approximately to a diameter of the light guide, and
  - a carrier extending outside said radiation-field-shaping region and adjacent said connecting region, said connecting region extending beyond a side of the carrier to form a free standing projection having the connecting area on an end face of said projection, said light guide being connected to the optical element solely via the connecting area.
- 2-3. (Cancelled).
4. (Previously presented) A system according to claim 1, wherein the optical element is part of the monolithic body extending beyond said element.
5. (Previously presented) A system according to claim 4, wherein the carrier is part of the monolithic body.
6. (Currently amended) ~~A system according to claim 1,~~ Optical projection system comprising:
  - an optical element for shaping radiation fields emitted from a light guide,
  - the optical element being formed in a monolithic body having a radiation-field-shaping

region and a connecting region for the light guide,

the connecting region having a connecting area for accepting a front face of the light guide, said connecting area being adapted approximately to a diameter of the light guide, and  
a carrier extending outside said radiation-field-shaping region and adjacent said connecting region, said connecting region extending beyond a side of the carrier to form a free standing projection having the connecting area on an end face of said projection,

wherein the monolithic body is held by the carrier, which is separate from the monolithic body.

7. (Cancelled).

8. (Previously presented) A system according to claim 6, wherein the optical element is formed by a monolithic body which is approximately cylindrically constructed and encloses both the radiation-field-shaping region and the connecting region.

9. (Previously presented) A system according to claim 1, wherein the radiation-field-shaping region has an area curved in the manner of a lens for radiation field shaping.

10. (Previously presented) A system according to claim 1, wherein the radiation-field-shaping region has a refractive index gradient for radiation field shaping.

11. (Currently amended) ~~A system according to claim 1, wherein a plurality of individual optical elements is formed in the monolithic body, each optical element having a corresponding radiation field-shaping region and corresponding connecting area formed on a corresponding connecting region~~ Optical projection system comprising:

a plurality of individual optical elements for shaping radiation fields emitted from corresponding light guides,

the optical elements being formed in a monolithic body, each optical element having a

corresponding radiation-field-shaping region and a corresponding connecting region for the corresponding light guide,

each connecting region having a connecting area for accepting a front face of the corresponding light guide, each connecting area being adapted approximately to a diameter of the corresponding light guide, and

a carrier extending outside said radiation-field-shaping regions and adjacent said connecting regions, said connecting regions extending beyond a side of the carrier to form free standing projections having the connecting areas on end faces of said projections.

12. (Previously presented) A system according to claim 11, wherein the individual optical elements are held by a common carrier.

13. (Previously presented) A system according to claim 11, wherein the individual optical elements are formed by segmental regions of the monolithic body.

14. (Previously presented) A system according to claim 1, wherein the radiation-field-shaping region has boundary surfaces shaped in such a way that rays reflected on them are substantially not reflected back directly into the light guide.

15. (Previously presented) A system according to claim 14, wherein the radiation-field-shaping element acts in such a way that it does not collimate exactly.

16. (Previously presented) A system according to claim 1, wherein the light guide is connected to the connecting area of the connecting region such that it is substantially reflection-free.

17. (Currently amended) A system according to claim 1, wherein a marking is associated with each connecting region.

18. (Previously presented) A system according to claim 1, wherein a heatable material is provided by means of which material in a region of the areas of the light guide and the connecting area which are to be connected can be heated up to effect a connection of the light guide and the connecting area.

19. (Previously presented) A system according to claim 18, wherein a collar of a heatable material by means of which the material in the region of the areas to be connected can be heated up is provided in the region of the areas to be connected.

20. (Previously presented) A system according to claim 18, wherein the light guide is provided with a collar of heatable material in the region of its front face.

21. (Previously presented) A system according to claim 18, wherein the heatable material can be heated up by absorption of rays.

22. (Previously presented) A system according to claim 21, wherein the material can be heated up by laser radiation.

23. (Previously presented) A system according to claim 22, wherein the material can be heated up by laser radiation passing through the monolithic body.